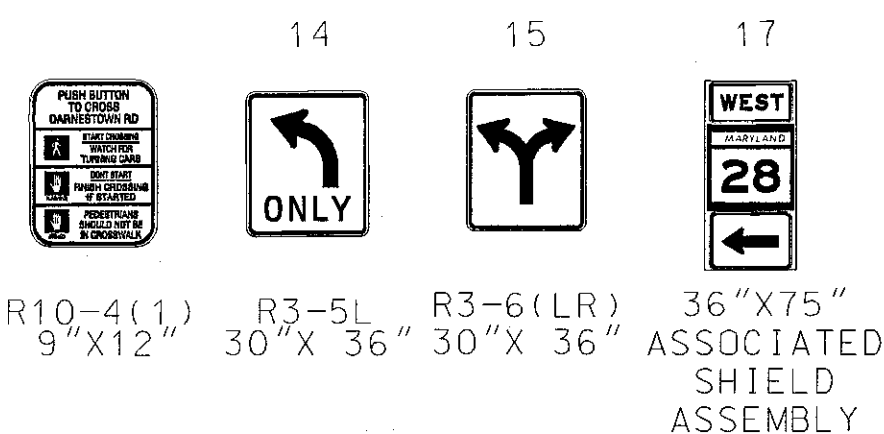
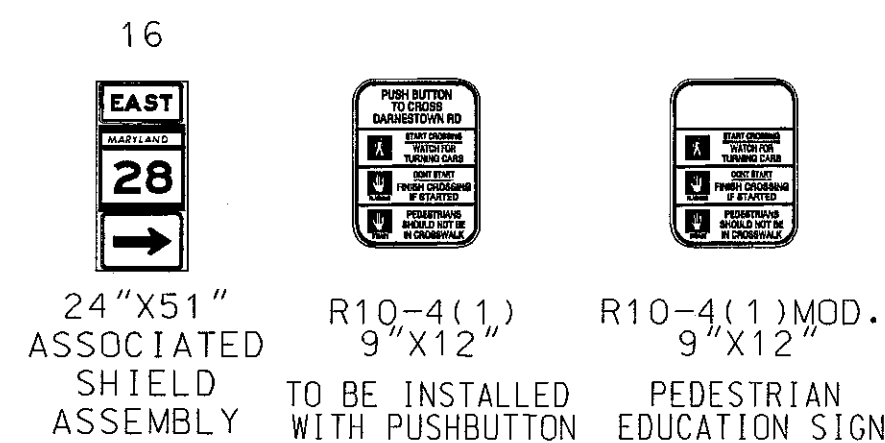


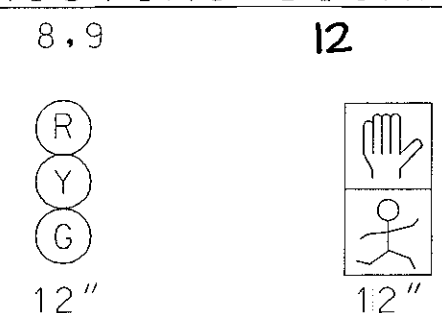
## EXISTING SIGNS



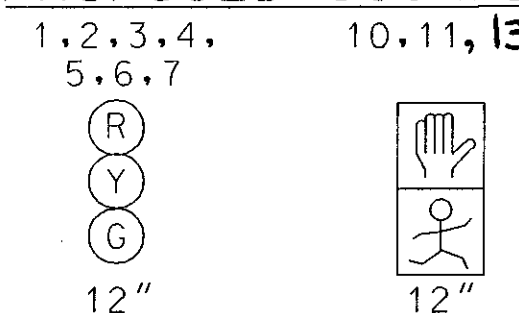
## PROPOSED SIGNS



## EXISTING SIGNALS



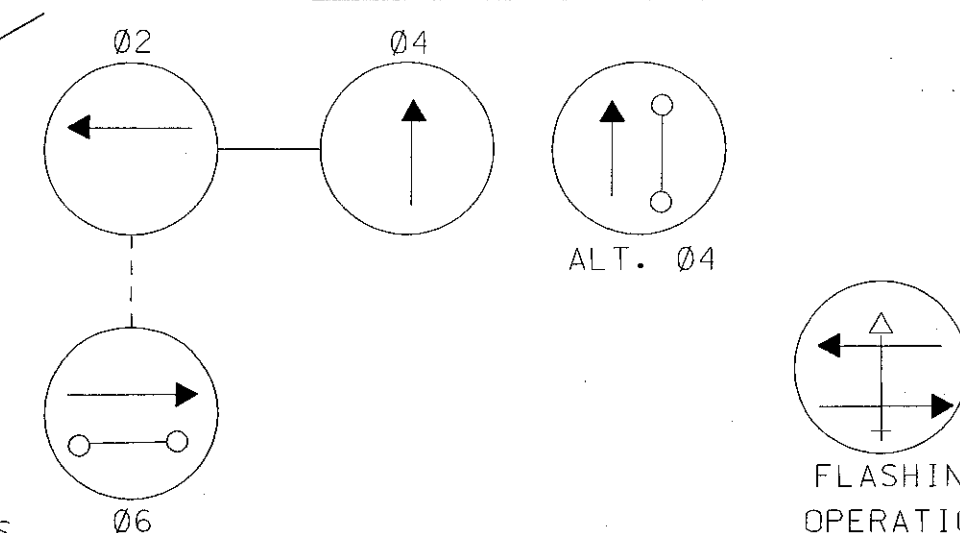
## PROPOSED SIGNALS



## VIDEO TRAFFIC DETECTION CAMERA



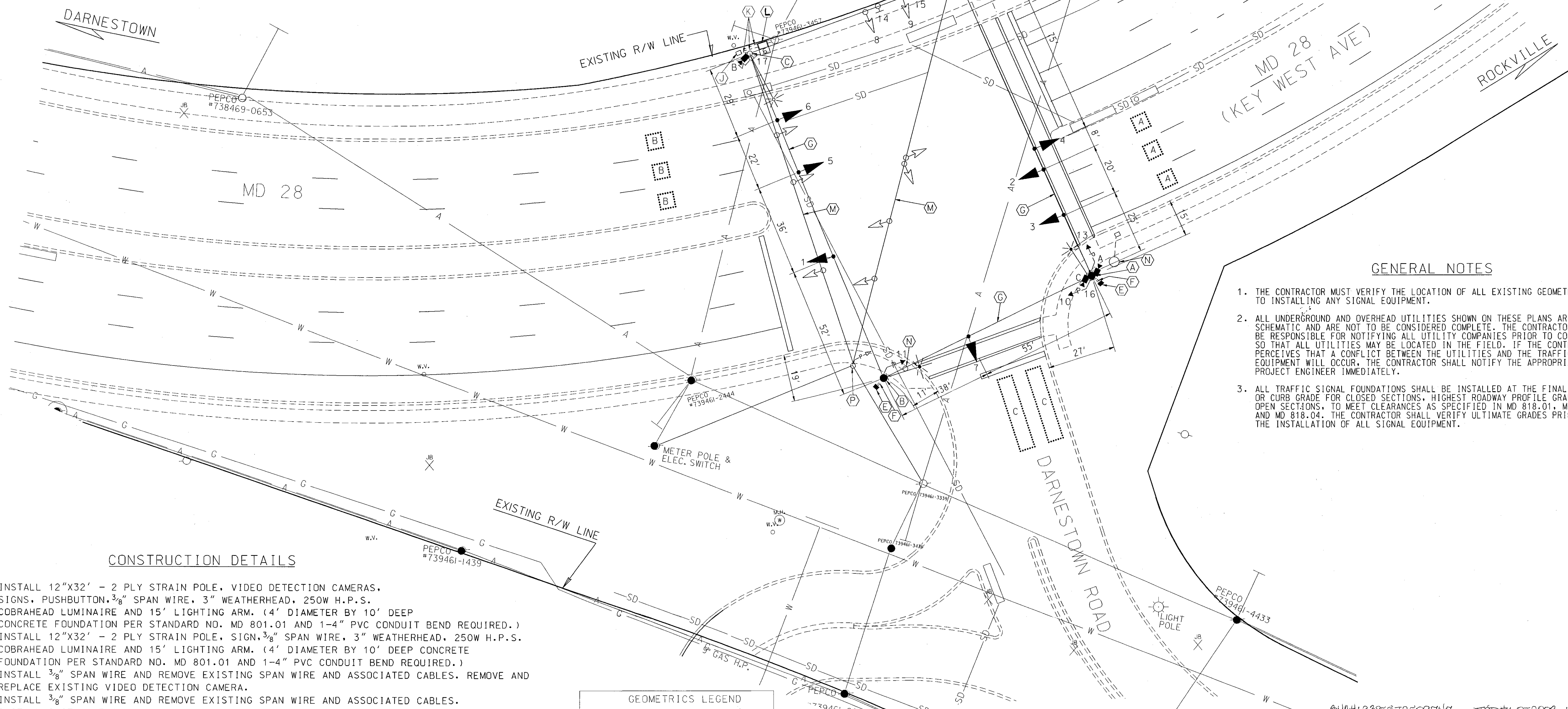
## NEMA PHASING



## NEMA PHASING NOTES

1. PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY.
2. PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.

MD 28 IS ASSUMED TO RUN IN AN EAST-WEST DIRECTION



## GENERAL NOTES

1. THE CONTRACTOR MUST VERIFY THE LOCATION OF ALL EXISTING GEOMETRICS PRIOR TO INSTALLING ANY SIGNAL EQUIPMENT.
2. ALL UNDERGROUND AND OVERHEAD UTILITIES SHOWN ON THESE PLANS ARE SCHEMATIC AND ARE NOT TO BE CONSIDERED COMPLETE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING ALL UTILITY COMPANIES PRIOR TO CONSTRUCTION SO THAT ALL UTILITIES MAY BE LOCATED IN THE FIELD. IF THE CONTRACTOR PERCEIVES THAT A CONFLICT BETWEEN THE UTILITIES AND THE TRAFFIC SIGNAL EQUIPMENT WILL OCCUR, THE CONTRACTOR SHALL NOTIFY THE APPROPRIATE PROJECT ENGINEER IMMEDIATELY.
3. ALL TRAFFIC SIGNAL FOUNDATIONS SHALL BE INSTALLED AT THE FINAL SIDEWALK OR CURB GRADE FOR CLOSED SECTIONS. HIGHEST ROADWAY PROFILE GRADE FOR OPEN SECTIONS, TO MEET CLEARANCES AS SPECIFIED IN MD 818.01, MD 818.02 AND MD 818.04. THE CONTRACTOR SHALL VERIFY ULTIMATE GRADES PRIOR TO THE INSTALLATION OF ALL SIGNAL EQUIPMENT.

## CONSTRUCTION DETAILS

- INSTALL 12"x32' - 2 PLY STRAIN POLE. VIDEO DETECTION CAMERAS, SIGNS, PUSHBUTTON, 3/8" SPAN WIRE, 3" WEATHERHEAD, 250W H.P.S. COBRAHEAD LUMINAIRE AND 15' LIGHTING ARM. (4' DIAMETER BY 10' DEEP CONCRETE FOUNDATION PER STANDARD NO. MD 801.01 AND 1-4" PVC CONDUIT BEND REQUIRED.)
- INSTALL 12"x32' - 2 PLY STRAIN POLE. SIGN, 3/8" SPAN WIRE, 3" WEATHERHEAD, 250W H.P.S. COBRAHEAD LUMINAIRE AND 15' LIGHTING ARM. (4' DIAMETER BY 10' DEEP CONCRETE FOUNDATION PER STANDARD NO. MD 801.01 AND 1-4" PVC CONDUIT BEND REQUIRED.)
- INSTALL 3/8" SPAN WIRE AND REMOVE EXISTING SPAN WIRE AND ASSOCIATED CABLES. REMOVE AND REPLACE EXISTING VIDEO DETECTION CAMERA.
- INSTALL 3/8" SPAN WIRE AND REMOVE EXISTING SPAN WIRE AND ASSOCIATED CABLES.
- INSTALL ELECTRICAL HANDHOLE.
- INSTALL 4" PVC SCHEDULE 80 ELECTRICAL CONDUIT - TRENCHED
- INSTALL 3/8" SPAN WIRE AND SIGNAL HEAD(S).
- USE EXISTING SPAN WIRE.
- USE EXISTING ELECTRICAL HANDHOLE.
- USE EXISTING ELECTRICAL CONDUIT.
- USE EXISTING CONTROLLER, LABEL AND TERMINATE CABLES. REPLACE VIDEO DETECTION PANEL AND REMOVE ALL UNUSED CABLE.
- REMOVE EXISTING SPAN WIRE, SIGNALS AND SIGNS.
- REMOVE EXISTING FOUNDATION TO 1' BELOW FINAL GRADE.
- REMOVE EXISTING POLE, SIGNAL HEAD AND GUYS THEN REMOVE THE FOUNDATION TO 1' BELOW FINAL GRADE.

GEOMETRICS LEGEND	
PROPOSED GEOMETRICS	_____
EXISTING GEOMETRICS	-----
LEGEND OF UTILITIES	
WATER	W
GAS	G
UNDERGROUND TELEPHONE	T
SANITARY SEWER	S
UNDERGROUND ELECTRIC	E
AERIAL	A
STORM DRAIN	SD
SEWAGE FORCE MAIN	FM
CABLE TV	TV

REVISIONS		APPROVALS	
C ACCIDENT REPAIRS 10/5/2004		TEAM LEADER, TRAFFIC ENGINEERING DESIGN DIVISION	
SHA, CONT. NO. 02003		ASST. CHIEF TRAFFIC ENGINEERING DESIGN DIVISION	
S.M.H. 10/5/2004		CHIEF TRAFFIC ENGINEERING DESIGN DIVISION	
B 10-00 NEW		DIRECTOR, OFFICE OF TRAFFIC & SAFETY	
MD 28 GEOMETRICS			
SHA, CONT. NO. MD 5285271			
O.X. 10/5/2004			
A 10-94 NEW			
MD 124 GEOMETRICS			
SHA, CONT. NO. MS28-501-371			
M.C. R.D. H.C.T. T.H.			

<b>SHA</b> MARYLAND DOT - STATE HIGHWAY ADMINISTRATION		Office of Traffic & Safety	
TRAFFIC ENGINEERING DESIGN DIVISION		MD 28 (KEY WEST AVENUE) AND DARNESTOWN ROAD	
SIGNAL PLAN		NORTH POTOMAC, MARYLAND	
DRAWN BY: W.W.C./T.E.L.	TS NO. 2640-C	F.A.P. NO. 15002818.19	SHEET NO. 1 OF 2
CHECKED BY: JOHN C. RICE	S.H.A. NO. 6662	COUNTY: MONTGOMERY	
SCALE: 1" = 20'	LOG MILE: 15002818.19		
DATE: 6-13-85			